

Building apps in containers: 5 things to share with your manager

It can be difficult to bring new solutions to your boss. You're bumping up against budget, security, and the task of maintaining existing systems, and management is just trying to keep things up and running. What if you could bring a checklist to your manager and highlight the benefits of making a change to make both of your lives easier? Also, what if this change would help your business grow?

Here are 5 key points to bring to your boss about developing applications and microservices on containers to increase your rate of innovation and competitiveness.

1 Deploy and deliver apps faster and more often.

Bug fixes, updates, and enhancements do not have to take days or weeks. Moving your apps into containers and Kubernetes will allow your development team to make changes in hours with operational reliability. See how [UPS](#) moved to containers and reduced app deployment time from months to weeks.¹

How Red Hat can help: Red Hat was one of the first companies to work with Google on Kubernetes, even prior to launch, and has become the [second leading contributor](#) to the Kubernetes upstream project. Kubernetes is the industry leader in container orchestration,² and Red Hat® Middleware has been optimized for it.

2 Build, modernize, and connect apps to run on any cloud.

Ready-to-use functionality for hybrid and multicloud app development is useful. If the solution works without requiring modification across clouds, it lets developers spend more time solving business problems instead of wasting time on cross-cloud issues. Additionally, the business avoids cloud vendor lock-in.

How Red Hat can help: Red Hat understands that you cannot throw away your existing systems and start over. Red Hat solutions support the modernization of your existing applications and the development and delivery of new ones on-premise and in any cloud, without vendor lock-in.

¹ Red Hat success story. "UPS streamlines package tracking and delivery with Red Hat," May 2018. <https://www.redhat.com/en/success-stories/ups>.

² Vaughan-Nichols, Steven. "5G depends on Kubernetes in the cloud." ZDNet, 2 May 2019. <https://www.zdnet.com/article/5g-depends-on-kubernetes-in-the-cloud/>.

3 Support multiple languages and frameworks to attract top talent.

Multiple languages and frameworks can help optimize existing apps and speed up the development of new cloud-native apps. They reduce the learning curve and allow developers to take advantage of advancements in technology, resulting in higher productivity and faster time to market. In addition, supporting multiple languages and frameworks provides access to a larger set of job applicants (for hiring purposes).

How Red Hat can help: Red Hat provides solutions that include well-established languages and frameworks as well as modern ones for cloud-native microservices development. Red Hat believes that providing developers with the flexibility to choose the right tool for the task helps them create more efficient applications.

4 Use the right developer tools and resources.

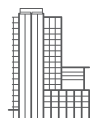
An ideal solution includes development tools that have been built for containerized environments and that require no local developer desktop installation and management. This leads to higher levels of productivity and value for the business.

How Red Hat can help: Red Hat CodeReady provides easy-to-use development tools ideal for cloud, containers, and containerized application services and middleware that help with productivity, without requiring you to install anything on your local machine. Red Hat also provides resources for education, training, and experiential hands-on activities that help developers keep learning.

5 Rely on application services and middleware optimized for Kubernetes.

You can accelerate solution delivery with application services and middleware that work together well on containers and Kubernetes across clouds. In addition, application services and middleware with a long track record of production deployments will lead to higher levels of reliability, availability, scalability, security, and performance. You get predictability of repeatable processes, more standardized delivery, and lower risk of downtime and outages.

How Red Hat can help: Red Hat was one of the first companies that containerized and optimized its applications and middleware to run on Kubernetes. Customers have trusted and run Red Hat Middleware in production for many years.



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Red Hat is the world's leading provider of enterprise open source software solutions, using a community-powered approach to deliver reliable and high-performing Linux, hybrid cloud, container, and Kubernetes technologies. Red Hat helps customers integrate new and existing IT applications, develop cloud-native applications, standardize on our industry-leading operating system, and automate, secure, and manage complex environments. Award-winning support, training, and consulting services make Red Hat a trusted adviser to the Fortune 500. As a strategic partner to cloud providers, system integrators, application vendors, customers, and open source communities, Red Hat can help organizations prepare for the digital future.

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